

**UTILITY
PATENT APPLICATION
TRANSMITTAL**Attorney Docket No. **11-240**First Inventor or Application Identifier **KATO**Title **APPARATUS AND METHOD FOR DETECTING
ABNORMALITY OF A VIBRATION TYPE ANGULAR
VELOCITY SENSOR, ABNORMALITY DETECTING
PROGRAM, AND A RELATED VEHICLE CONTROL
SYSTEM**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
Alexandria, VA 22313-1450

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **24**]
- Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Background of the Invention
 - Summary of the Invention
 - Brief Description of the Drawings
 - Detailed Description of the Preferred Embodiment
 - Claims
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4**]
4. Oath or Declaration [Total Sheets **3**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63 (d))
(for continuation/divisional with Box 16 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
Assignee: **DENSO CORPORATION**
8. ☐ 37 C.F.R. § 3.73(b)
Statement (when there is an assignee) ☐ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
- *Small Entity Statement(s) ☐ Statement filed in prior application,
(PTO/SB/09-12) Status still proper and desired
13. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. ☒ Other:
15. ☐ Other:

*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____

Group/Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label**23400**

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

Address

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State

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(703) 707-9110

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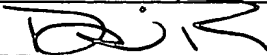
Name (Print/Type)

DAVID G. POSZ

Registration No. (Attorney/Agent)

37,701

Signature



Date

March 25, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, Arlington, VA 22202.

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)**982****Complete if Known**

Application Number

Filing Date

March 25, 2004

First Named Inventor

KATO

Examiner Name

Art Unit

Attorney Docket No.

11-240**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit AccountDeposit
Account
Number

Deposit
Account
Name**50-1147****POSZ & BETHARDS, PLC**

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1001	770	2001	385	Utility filing fee		770
	1002	340	2002	170	Design filing fee		
	1003	530	2003	265	Plant filing fee		
	1004	770	2004	385	Reissue filing fee		
	1005	160	2005	80	Provisional filing fee		

SUBTOTAL (1) (\$)770******2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
10	-20**= 0 X	18	0
Independent Claims	5 -3**= 2 X	86	172
Multiple Dependent			

Large Entity		Small Entity		<u>Fee Description</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)172****

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1051	130	2051	65	Surcharge - late filing fee or oath		
	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
	1053	130	1053	130	Non-English specification		
	1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		
	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
	1251	110	2251	55	Extension for reply within first month		
	1252	420	2252	210	Extension for reply within second month		
	1253	950	2253	475	Extension for reply within third month		
	1254	1,480	2254	740	Extension for reply within fourth month		
	1255	2,010	2255	1005	Extension for reply within fifth month		
	1401	330	2401	165	Notice of Appeal		
	1402	330	2402	165	Filing a brief in support of an appeal		
	1403	290	2403	145	Request for oral hearing		
	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
	1452	110	2452	55	Petition to revive - unavoidable		
	1453	1,330	2453	665	Petition to revive - unintentional		
	1501	1,330	2501	665	Utility issue fee (or reissue)		
	1502	480	2502	240	Design issue fee		
	1503	640	2503	320	Plant issue fee		
	1460	130	1460	130	Petitions to the Commissioner		
	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
	1806	180	1806	180	Submission of Information Disclosure Stmt		
	8021	40	8021	40	Recording each patent assignment per property (times number of properties)		40
	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))		
	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))		
	1801	770	2801	385	Request for Continued Examination (RCE)		
	1802	900	1802	900	Request for expedited examination of a design application		

Other fee (specify) _____

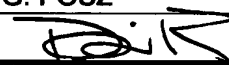
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)(\$)**40****SUBMITTED BY**

Name (Print/Type)

DAVID G. POSZRegistration No.
(Attorney/Agent)**37,701**

Signature

**Complete (if applicable)**

Telephone

(703) 707-9110

Date

March 25, 2004**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.